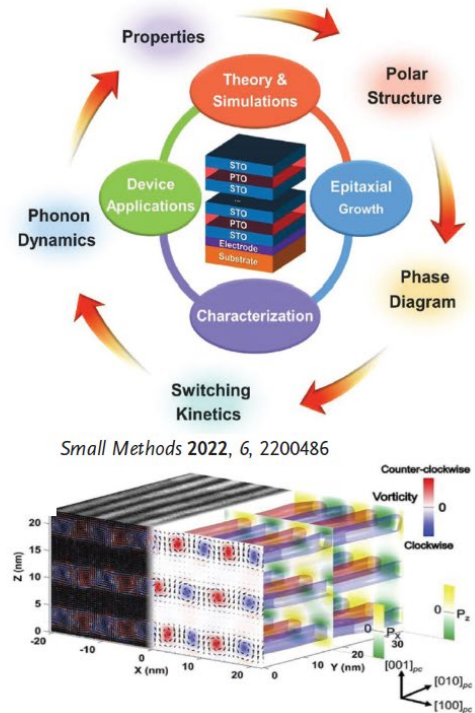


# Master project Polar skyrmions in ferroelectric-dielectric superlattices (supervisor Dr Ionela Lindfors-Vrejoiu)

## Pulsed-laser deposition lab



*Small Methods* 2022, 6, 2200486

Nanodomains with not trivial topology form in superlattices of ferroelectric  $\text{PbTiO}_3$  and dielectric  $\text{SrTiO}_3$  epitaxial layers and have important impact on their physical properties. In this project such superlattices with optimized configurations will be fabricated by pulsed-laser deposition and investigated by scanning probe microscopy and dielectric and ferroelectric measurements.

Interested? Contact Dr. Ionela Lindfors-Vrejoiu ([vrejoiu@ph2.uni-koeln.de](mailto:vrejoiu@ph2.uni-koeln.de)) or Prof. Paul H.M. van Loosdrecht ([pvl@ph2.uni-koeln.de](mailto:pvl@ph2.uni-koeln.de)).